

In the claims:

For the Examiner's convenience, all pending claims are presented below with changes shown. Please cancel claims 16-23 without prejudice.

1. (Currently Amended) A method comprising:

receiving a first identification (ID) at a computer system from a server via a transmission medium;

comparing the first ID with a second ID stored at a first analog front end coupled to the computer system; and

certifying the first analog front end for operation as a first software-defined radio ~~for operation at a first frequency~~ if the first ID matches the second ID.

2. (Original) The method of claim 1 further comprising disabling the first ~~software-defined radio~~ analog front end if the first ID does not match the second ID.

3. (Original) The method of claim 1 further comprising storing the first ID in a memory device within a baseband unit at the computer system prior to comparing the first ID with the second ID.

4. (Original) The method of claim 1 further comprising downloading a protocol corresponding with the first software-defined radio.

5. (Original) The method of claim 4 wherein the first ID and the wireless protocol are received as a component of a signed manifest.

6. (Original) The method of claim 5 further comprising:

validating the signed manifest; and

executing the protocol at a baseband unit if the manifest is validated.

7. (Currently Amended) The method of claim 1 further comprising:

receiving a third identification (ID) at the computer system from the server via the transmission medium;

comparing the third ID with a fourth ID stored at a second analog front end coupled to the computer system; and

certifying the second analog front end for operation as a second software-defined radio ~~for operation~~ at a second frequency if the third ID matches the fourth ID.

8. (Currently Amended) A computer system comprising ~~a first software-defined radio~~ including:

a baseband unit; ~~and~~

a first analog front-end coupled to the baseband unit to operate as; the a first software-defined radio ~~being~~ certified for operation at a first frequency by authenticating a first identification (ID) received at the baseband unit with a second ID stored at the first analog front end; and

a second analog front-end coupled to the baseband unit to operate as a second software-defined radio being certified for operation at a second frequency by authenticating a third ID received at the baseband unit with a fourth ID stored at the second analog front end.

9. (Original) The computer system of claim 8 further comprising:

an input/output (I/O) bus coupled to the baseband unit; and

a network controller coupled to the I/O bus.

10. (Original) The computer system of claim 9 wherein the first ID is received from a server computer via a transmission medium coupled to the network controller.
11. (Original) The computer system of claim 10 wherein a protocol corresponding to the first software-defined radio is also received from the server computer.
12. (Original) The computer system of claim 9 wherein the baseband unit comprises:
 - an I/O interface coupled to the I/O bus;
 - a digital signal processor (DSP) coupled to the I/O interface; and
 - a second bus coupled to the DSP.
13. (Original) The computer system of claim 12 wherein the baseband unit further comprises:
 - a volatile memory coupled to the DSP; and
 - a non-volatile memory coupled to the DSP.
14. (Original) The computer system of claim 12 wherein the analog front end comprises:
 - analog-digital/digital-analog (AD/DA) conversion logic coupled to the second bus;
 - modulation logic coupled to the AD/DA conversion logic;
 - a transceiver coupled to the modulation logic; and
 - an antenna coupled to the transceiver.
15. (Original) The computer system of claim 14 wherein the analog front end comprises a non-volatile memory that stores the second ID.
- 16-23. (Cancelled)